

Validity and a Note on Type Depositories of Heteropteran Species Described by C. S. Lin and His Colleagues in 1998~2007

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Abstract. Forty-two heteropteran species from Taiwan and China were described by C. S. Lin and his colleagues during 1998~2007. Among these, *Psallops formosanus* Lin, 2004, *Rubrocuneocoris nodus* Lin, 2006, *Felisacus bellus* Lin, 2000, *Urolabida triramalis* Ren & Lin, 2003, and *Urostylis paratrifidus* Ren & Lin, 2003 are unavailable owing to the lack of a statement about their type depositories based on Article 16.4.2. of the International Code of Zoological Nomenclature (ICZN, 1999). Herein, we describe these five taxa as new species and make their names valid with the original authorship from the date of publication of this paper; we provide in each case a bibliographic reference to a published description, satisfying the conditions of Article 13.1.2 (ICZN, 1999). The type depositories are specified for each of the 42 species, and some errors on type materials in previous papers are corrected.

Keywords: Heteroptera, Miridae, Urostylididae, type depository, Taiwan, China.

INTRODUCTION

The first author and his colleagues, Prof. S. S. Z. Ren and C. T. Yang, described 42 species of the Miridae and Urostylididae from Taiwan and China in 1998~2007, based on specimens deposited in the Taiwan Agricultural Research Institute (TARI), and National Museum of Natural Science (NMNS), both in Taichung, Taiwan. However, in a few cases, the authors did not clearly indicate the depositories of the holotypes and paratypes in the original publications of these species. Some errors on the collecting data of type materials in the original papers are corrected herein. Corrections are not specified for each species unless otherwise mentioned. As an addition to the original descriptions of these species, locality and depository information of holotypes and paratypes are presented in this paper.

Five species names, currently unavailable according to Article 16.4.2 of the International Code of Zoological Nomenclature (ICZN, 1999), are made available, under their original authorship, from the date of publication of this paper.

TYPE MATERIAL

The species are listed below in systematic order. All of the type materials discussed in this section are kept at the TARI and NMNS, Taichung, Taiwan.

Miridae

(I) Isometopinae

Alcerocoris fraxinusae Lin, 2004

Alcerocoris fraxinusae Lin, 2004b: 318-319, fig. 1A, B.

Holotype: ♀, TAIWAN: Taitung: Panchiu Branch Station, Taitung Agricultural Experiment Station, 17-VII-2002, M. L. Chan (from *Fraxinus formosanus* Roxb., Oleaceae) (NMNS).

Alcerocoris formosanus Lin, 2004

Alcerocoris formosanus Lin, 2004b: 319, fig. 1C, D.

Holotype: ♀, TAIWAN: Pingtung: Shihtze, Lilungshan, 17-IV~14-V-2001, C. Y. Lin, H. T. Shih, and N. T. Chang (malaise trap) (NMNS).

Remarks: The depository of the holotype was erroneously indicated in the original

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description. The holotype is deposited at the NMNS not TARI.

***Astroscometopus formosanus* (Lin, 2004)**

Isometopidea formosana Lin, 2004b: 319-321, fig. 1E, F.

Astroscometopus formosanus: Lin, 2005b: 196-198, figs. 1A-C, 2A-C.

Holotype: ♂, TAIWAN: Nantou: Chunyang, 11-VI~9-VII-2002, C. S. Lin and W. T. Yang (malaise trap) (NMNS).

***Isometopidea yangi* Lin, 2005**

Isometopidea yangi Lin 2005b: 198-200, figs. 1D, E, 2D-F.

Holotype: ♀, TAIWAN: Taitung: Peinan, Panchiu Station, 19-XI~16-XII-2004, C. S. Lin and W. T. Yang (malaise trap) (NMNS). **Paratypes:** 2 ♂♂, 2 ♀♀, same locality as for holotype; 1 ♀, 7-X~19-XI-2004; 3 ♂♂, 1 ♀, 16-XII-2004~17-II-2005, C. S. Lin and W. T. Yang (malaise trap) (NMNS).

***Isometopus bipunctatus* Lin, 2004**

Isometopus bipunctatus Lin, 2004b: 321, fig. 1G, H.

Holotype: ♀, TAIWAN: Nantou: Chunyang, 6-IV~11-V-2004, C. S. Lin and W. T. Yang (malaise trap) (NMNS). **Paratypes:** 2 ♀♀, same locality as for holotype, 9-III~6-IV-2004, C. S. Lin and W. T. Yang (malaise trap) (NMNS).

***Isometopus lini* Lin, 2004**

Isometopus lini Lin, 2004b: 321-322, fig. 2A, B, G.

Holotype: ♂, TAIWAN: Taichung: Wanfeng Hill, IV-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). **Paratype:** 1 ♀, same data as for holotype (NMNS).

***Isometopus renae* Lin, 2004**

Isometopus renae Lin, 2004b: 322-323, fig. 2C, D, H.

Holotype: ♂, TAIWAN: Nantou: Sunkang (2100 m), IX-1985, K. S. Lin (malaise trap) (TARI).

***Isometopus yehi* Lin, 2004**

Isometopus yehi Lin, 2004b: 323-325, fig. 2E, F, I.

Holotype: ♂, TAIWAN: Nantou: Chunyang, 12-III~9-IV-2002, C. S. Lin and W. T. Yang (malaise trap) (NMNS). **Paratypes:** 6 ♂♂, same locality as for holotype, 9-III~6-IV-2004, C. S. Lin and W. T. Yang (malaise trap) (NMNS); 1 ♂, Lienhuachih, 18-XII-2001~18-II-2002, C. S. Lin and W. T. Yang

(malaise trap) (NMNS).

Remark: The date of holotype is corrected from 12-III~8-IV-2002 to 12-III~9-IV-2002.

***Myiomma zhengi* Lin and Yang, 2004**

Myiomma zhengi Lin and Yang, 2004: 33-36, Figs. 1E, 4.

Holotype: ♂, TAIWAN: Taitung: Yenping, 30-VII-1992, E. C. Shiau and W. T. Yang (NMNS ENT 1437-728) (UV light trap) (NMNS). **Paratypes:** Nantou: Tsuifeng (2300 m), 1 ♂, 8-XI-1981, S. C. Lin and W. S. Tang (malaise trap) (TARI); 3 ♂♂, 1~3-VIII-1981, T. Lin and W. S. Tang (malaise trap) (2 ♂♂ in TARI, 1 ♂ in NMNS); 1 ♀, IX-1984, 1 ♂, X-1984, K. S. Lin and K. C. Chou (malaise trap); 1 ♂, XI-1985, K. S. Lin (malaise trap) (TARI); Meifeng (2150 m) (1 ♂ in TARI, 1 ♂ in NMNS), 1 ♀, 4~7-X-1982, K. C. Chou (malaise trap); 2 ♂♂, IX-1984, 1 ♂, VI-1984, K. S. Lin and K. C. Chou (malaise trap); Wushe (1150 m), 1 ♂, 2 ♀♀, 26~28-VIII-1981, L. Y. Chou and S. C. Lin (malaise trap) (TARI); Lushan (1000 m), 1 ♀, 27~31-V-1980, K. S. Lin and L. Y. Chou (malaise trap) (TARI); Tungpu (1200 m), 1 ♀, 5~8-X-1981, T. Lin and W. S. Tang; 1 ♀, X-1985, 1 ♂, XI-1985, 1 ♂, XII-1985, K. S. Lin (malaise trap) (TARI); Lienhuachih (650 m), 1 ♂, IV-1984, K. S. Lin and K. C. Chou (malaise trap) (NMNS). Taoyuan: Paling, 1 ♀, 8~9-VII-1986, K. C. Chou and C. H. Yang (malaise trap) (TARI); Upper Paling-Lalashan (1110~2130 m), 1 ♂, 9-VII-1986, K. C. Chou and C. H. Yang (malaise trap) (TARI). Hualien: Antung, 1 ♀, 14~17-II-1984, K. C. Chou and C. C. Pan (malaise trap) (TARI).

***Myiomma choui* Lin and Yang, 2004**

Myiomma choui Lin and Yang, 2004: 36, figs. 1F, 5.

Holotype: ♂, TAIWAN: Nantou, Jenai Yuanfeng, 9-III~9-IV-1998, C. S. Lin and W. T. Yang (NMNS ENT 3243-387) (malaise trap) (NMNS). **Paratypes:** 1 ♂, same data as for holotype (NMNS ENT 3243-702) (NMNS). Nantou: Yuanfeng, 1 ♀, 10-IX~15-X-2002, C. S. Lin and W. T. Yang (malaise trap) (KCN) (NMNS); Tsuifeng (2300 m), 5 ♂♂, 4 ♀♀, IX-1984, K. S. Lin and K. C. Chou; 1 ♂, X-1984, K. S. Lin and K. C. Chou; 3 ♂♂, 3 ♀♀, XI-1985, K. S. Lin; 1 ♀, X-1985, K. S. Lin (malaise trap) (TARI); Meifeng

(2150 m), 6 ♂♂, 2 ♀♀, IX-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI); Sunkang (2100 m), 6 ♂♂, X-1984, K. S. Lin and K. C. Chou (malaise trap) (5 ♂♂ in TARI, 1 ♂ in NMNS); 6 ♂♂, IX-1985, K. S. Lin (malaise trap) (5 ♂♂ in TARI, 1 ♂ in NMNS); Lienhuachih (650 m), 2 ♂♂, 1 ♀, VIII-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). Hualien: Tayuling (2560 m), 1 ♀, 6~9-IX-1983, L. Y. Chou and K. C. Chou (malaise trap) (TARI).

Remark: The date of holotype is corrected from 9-III~9-IV-1988 to 9-III~9-IV-1998.

***Sophianus formosanus* Lin and Yang, 2004**

Sophianus formosanus Lin and Yang, 2004: 36-38, figs. 1G, H, 6.

Holotype: ♂, TAIWAN: Pingtung, Kenting, 20~25-II-1989, C. S. Lin (UV light trap) (NMNS). **Paratypes:** Nantou, Lienhuachih (650 m), 1 ♂, VIII-1984, 1 ♂, V-1984, 1 ♂, VII-1984, 1 ♂, XII-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). Pingtung, Shihtze, Lilungshan, 5 ♂♂, 17-IV~14-V-2001, C. Y. Lin, H. T. Shih, and N. T. Chang (malaise trap); 9 ♂♂, 15-V~26-VI-2001, C. Y. Lin, N. T. Chang, and H. T. Shih (malaise trap); 1 ♂, Lilungshan, 28-VIII~29-IX-2001, N. T. Chang and C. Y. Lin (NMNS).

Remark: The date of holotype is corrected from 25~26-II-1989 to 20~25-II-1989.

***Totta rufercornia* Lin and Yang, 2004**

Totta rufercornia Lin and Yang, 2004: 40, fig. 1I.

Holotype: ♀, TAIWAN: Nantou, Tungpu (1200 m), XII-1985, K. S. Lin (malaise trap) (TARI).

(II) Psallopinae

***Psallops chinensis* Lin, 2004**

Psallops chinensis Lin, 2004a: 276-278, fig. 1E.

Holotype: ♀, CHINA: Tianjin, Jixian Co. Pahsienshan, 8~11-IX-2001, C. S. Lin (sweep net) (NMNS ENT 3711-1005) (NMNS).

***Psallops formosanus* Lin, sp. nov.**

Psallops formosanus Lin, 2004a: 273-274, figs. 1A, B, 2A, B, E (original description).

Type material. **Holotype:** ♂, TAIWAN: Nantou: Lienhuachih (650 m), VI-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). **Paratype:** 1 ♀, X-1984, K. S. Lin and K. C. Chou (malaise trap) (NMNS).

***Psallops leeeae* Lin, 2004**

Psallops leeeae Lin, 2004a: 274-276, figs. 1C, D, 2C, D, F.

Holotype: ♂, TAIWAN: Pingtung: Hengchun, Kenting National Park, 7~8-IV-2004, C. S. Lin and W. T. Yang (UV light trap) (NMNS ENT 4388-365) (NMNS). **Paratypes:** 2 ♂♂, same data as for holotype (NMNS ENT 4388-371, 4388-372); Chufungshan, 1 ♀, 17~19-I-1994, C. S. Lin and W. T. Yang (UV light trap) (NMNS ENT 1720-71) (NMNS).

***Psallops luteus* Lin, 2006**

Psallops luteus Lin, 2006c: 413-415, fig. 1A-F.

Holotype: ♂, TAIWAN: Pingtung: Hengchun, Kenting National Park, 10-III~14-IV-2005, C. S. Lin and W. T. Yang (malaise trap) (NMNS). **Paratype:** 1 ♀, same locality as for holotype, 10-XI~5-XII-2005, C. S. Lin and W. T. Yang (malaise trap) (NMNS).

(III) Orthotylinae

***Zanchius formosanus* Lin, 2005**

Zanchius formosanus Lin, 2005a: 189, figs. 1C, 2D-F.

Holotype: ♂, TAIWAN: Taitung: Painan, Chihpen, 14-I-1998, C. S. Lin and W. T. Yang (sweep net) (NMNS ENT 2757-338) (NMNS). **Paratypes:** 1 ♀, same data as for holotype; Chihpen, 1 ♀, 11-I-1989, K. W. Huang (sweep net) (NMNS ENT 428-287) (NMNS). Nantou: Nanshanshi, 1 ♂, 1 ♀, 25-XI-2002, W. T. Yang (sweep net) (NMNS ENT 3973-848, 3973-849) (NMNS); Hueishun, 1 ♂, 20-II-1990, C. S. Tseng (light trap) (NMNS). Ilan: Wufangshi, 1 ♂, 3 ♀♀, 16-X-1990, C. C. Chiang (sweep net) (NMNS). Chiayi: Tingpinglin, 1 ♂, 16-XII-1998, K. W. Huang (sweep net) (NMNS). Taichung: Wanfeng, 1 ♂, XI-1984; 2 ♀♀, VIII-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI); Chiapaotai (750 m), 1 ♂, 14~18-X-1980, K. S. Lin and C. H. Wang (TARI). Taipei: Chutzuhu, 1 ♂, 26-V-1983, K. C. Chou (TARI). Taoyuan: Fuhshing, 1 ♂, 10~11-VII-1988, K. C. Chou (TARI). Hualien: Antung, 1 ♂, 14~17-II-1984, K. C. Chou and C. H. Yang (TARI).

(IV) Phylinae

***Rubrocuneocoris nodus* Lin, sp. nov.**

Rubrocuneocoris nodus Lin, 2006a: 299, figs. 1F, 3A-C (original description).

Type material. Holotype: ♂, TAIWAN: Taichung: Wanfeng, V-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). **Paratypes:** 1 ♂, 2 ♀♀, same locality as for holotype, XI-1984 (TARI); 1 ♂, 1 ♀, VI-1984, K. S. Lin and K. C. Chou (malaise trap) (NMNS).

***Rubrocuneocoris trifidus* Lin, 2006**

Rubrocuneocoris trifidus Lin, 2006a: 299-301, figs. 1G, 3D-F.

Holotype: ♂, TAIWAN: Nantou: Hueishun, 20-II-1990, C. S. Tseng (light trap) (NMNS ENT 629-7376) (NMNS). **Paratypes:** 2 ♀♀, same data as for holotype (NMNS ENT 629-7372, 629-7374) (NMNS).

***Rubrocuneocoris maculosus* Lin, 2006**

Rubrocuneocoris maculosus Lin, 2006a: 297-299, figs. 1E, 2D-F.

Holotype: ♂, TAIWAN: Ilan: Fushan, 28~29-V-2004, C. S. Lin and W. T. Yang (UV light trap) (NMNS ENT 4507-569) (NMNS). **Paratypes:** 2 ♂♂, 4 ♀♀, same data as for holotype (NMNS ENT 4507-568, 4507-570, 4507-571, 4507-572, 4507-574, 4507-613) (NMNS). Taichung: Shieshanken, 1 ♂, 18-IV-1992, C. C. Chiang (sweep net) (NMNS). Miaoli: Taian, 1 ♀, 20-XII-1989, K. W. Huang (sweep net) (NMNS ENT 1113-101) (NMNS).

***Rubrocuneocoris falcis* Lin, 2006**

Rubrocuneocoris falcis Lin, 2006a: 297, figs. 1D, 2A-C.

Holotype: ♂, TAIWAN: Hualien: Tayuling (2560 m), 10~15-IX-1980, K. S. Lin and C. H. Wang (malaise trap) (TARI). **Paratypes:** 1 ♂, same data as for holotype (NMNS); 1 ♂, 6~9-IX-1983, L. Y. Chou and K. C. Chou (TARI).

(V) Bryocorinae

***Bryocoris (Bryocoris) formosensis* Lin, 2003**

Bryocoris (Bryocoris) formosensis Lin, 2003: 180-181, fig. 2A-C.

Holotype: ♂ (macropterous form), TAIWAN: Nantou: Chunyang (1200 m), 6~8-X-1998, C. S. Lin (NMNS ENT 2997-8) (NMNS). **Paratypes:** same data as for holotype, 1 ♂ (macropterous form), C. S. Lin (NMNS ENT 2997-324) (dissected). Nantou: Sanlinchi, 2 ♂♂ (macropterous form), 19-V-1991, C. C. Chiang (NMNS); Meifeng, 1 ♀ (macropterous form), 3~15-X-1990, C. K. Starr (NMNS); 2 ♀♀ (brachypterous form), 24~26-VI-1981; 1 ♀ (brachypterous form), 22~26-VI-1983, K. S. Lin and S. C. Lin; 1 ♀ (brachypterous form), 30-VII-1983, L. Y. Chou (brachypterous form); 3 ♂♂, 3 ♀♀, 8~11-V-1984, K. C. Chou and C. C. Pan (NMNS); Wushe (1150 m), 1 ♂ (brachypterous form), 1922-IV-1983, K. C. Chou and S. P. Huang (TARI); Lulinshan, 1 ♀ (macropterous form), 18-V-1991, C. C. Chiang (NMNS). Tungpu (1200 m), 1 ♀ (brachypterous form), 28-IV~1-V-1981, T. Lin and C. J. Lee; 3 ♀♀ (brachypterous form), 13~16-XII-1982, K. C. Chou and C. C. Pan; 1 ♂ (brachypterous form), 16~20-IV-1984, K. C. Chou and C. H. Yang; Sunkang (2100 m), 2 ♀♀ (brachypterous form), 6-VIII-1984, K. S. Lin; 1 ♀ (brachypterous form), 13~15-IX-1984, K. S. Lin and S. C. Lin (TARI); Tsuifeng (2300 m), 1 ♀ (brachypterous form), 1~3-IX-1982, L. Y. Chou and K. C. Chou; 1 ♀ (brachypterous form), 23~25-VI-1983, K. S. Lin and S. C. Lin; 1 ♀, 15~16-VIII-1984, K. C. Chou (TARI), Taoyuan: Takuanshan, 1 ♂ (macropterous form), 17-IV-1990, C. C. Chiang (NMNS). Pingtung: Kuaiku, 1 ♂, 2 ♀♀ (macropterous form), 21-V-1991, C. C. Chiang (NMNS). Taichung: Kukuan, 2 ♂♂, 21-XI-1990, C. C. Chiang (NMNS); Anmashan, 4 ♂♂ (macropterous form), 2~3-V-1990, C. C. Chiang (NMNS). Kaohsiung, Maolin, 1 ♂ (macropterous form), 28-IV-1998, M. L. Chan (NMNS). Hualien: Tayuling (2560 m), 6 ♀♀ (brachypterous form), 12~15-IX-1980, K. S. Lin and C. H. Wang; 3 ♂♂, 7 ♀♀ (brachypterous form), 6~9-IX-1983, L. Y. Chou and K. C. Chou (TARI). Taoyuan: Paling (800 m), 1 ♀ (brachypterous form), 3~5-V-1983, K. C. Chou and C. C. Pan (TARI). Chiayi: Alishan, 1 ♂, 2 ♀♀ (brachypterous form), 5~9-VIII-1981, L. Y. Chou and S. C. Lin; 3 ♀♀ (brachypterous form), 7~8-VIII-1986, K. C. Chou (TARI).

Remark: The legends of figs.1 and 2 (in Lin, 2003) were interchanged due to a printing error; fig. 2A-C of the original description illustrate *B. (B.) formosensis* Lin.

***Bryocoris (Cobalorrhynchus) latus* Lin, 2003**

Bryocoris (Cobalorrhynchus) latus Lin, 2003:

183-184, fig. 2D, F.

Holotype: ♂, TAIWAN: Ilan: Tatung Tuling, 18-VII-2001, C. S. Lin and W. T. Yang (sweep net) (NMNS ENT 3686-25)(NMNS).

Paratypes: Nantou: Tungpu (1200 m), 1 ♂, 28-IV~2-V-1981, T. Lin and C. J. Lee; 2 ♀, 22~25-XI-1982, K. C. Chou and C. C. Pan; 1 ♂, 1 ♀, XI-1985, K. S. Lin (malaise trap) (TARI); Meifeng (2150 m), 1 ♀, 22~26-VI-1983, K. S. Lin and S. C. Lin (TARI); Sungkang (2100 m), 1 ♂, XII-1985, K. S. Lin (malaise trap) (TARI).

Remark: The legends of fig. 1 and 2 (in Lin, 2003) were interchanged due to a printing error; hence fig. 2D, E of the original description illustrate *B. (Cobalorrhynchus) latus* Lin.

***Bryocoris (Cobalorrhynchus) paravittatus* Lin, 2003**

Bryocoris (Cobalorrhynchus) paravittatus Lin, 2003: 184-187, fig. 2G-J.

Holotype: ♂, TAIWAN: Nantou: Jenai Aowanta, 30-IV-1992, W. T. Yang (sweep net) (NMNS ENT 1448-135) (NMNS). **Paratypes:** 3 ♂, 5 ♀ ♀, same data as for holotype (NMNS ENT 1448-200, 1448-236, 1448-23, 1448-197, 1448-97, 1448-134, 1448-140, 1448-182) (NMNS); Meifeng (2150 m), 4 ♂, 2 ♀ ♀, 28-VII~25-IX-1997, C. S. Lin and W. T. Yang (NMNS ENT 2998-642, 2998-643, 2998-644, 2998-645, 2998-646, 2998-647) (malaise trap); 1 ♀, 3~15-X-1990, C. K. Starr (yellow pan trap) (NMNS). Taichung: Nanhushi, 10 ♀ ♀, 10~11-VI-1988, K. W. Huang; Anmashan, 1 ♀, 3-V-1992, C. Y. Li (sweep net) (NMNS ENT 1446-1973) (NMNS); Hoping, 1 ♂, 15-X-1989, K. W. Huang (sweep net) (NMNS). Hsinchu: Kuanhsi, 1 ♂, 23-V-1992, C. Y. Li (sweep net) (NMNS ENT 1431-979) (NMNS). Pingtung: Kuaiku Cottage, 1 ♂, 21-V-1991, C. C. Chiang (sweep net) (NMNS).

Remark: The legends of figs. 1 and 2 (in Lin, 2003) were interchanged due to a printing error; hence fig. 2G-J of the original description illustrate *B. (Cobalorrhynchus) paravittatus* Lin. In addition, the paratypes of the errors "same data as for holotype, 3 ♂ 7 ♀ (NMNS ENT 1448-200, 236, 23, 197, 97)" are corrected, and the specimen numbers are given as follows: "3 ♂ ♂, 5 ♀ ♀, same

data as for holotype (NMNS ENT 1448-200, 1448-236, 1448-23, 1448-197, 1448-97, 1448-134, 1448-140, 1448-182) (NMNS)."

***Dimia formosana* Lin, 2006**

Dimia formosana Lin, 2006b: 407-410, figs. 1D, E, 2E-H.

Holotype: ♂, TAIWAN: Nantou: Lienhuachih, 15~16-XI-2004, C. S. Lin (sweep net) (NMNS ENT 4794-40) (NMNS). **Paratype:** Nantou: Jenai Chunyang, 1 ♀, 10~12-VIII-1998, C. S. Lin and W. T. Yang (mercury light) (NMNS ENT 2948-684) (NMNS).

***Felisacus bellus* Lin, sp. nov.**

Felisacus bellus Lin, 2000c: 233-234, figs. 1A, 2A (original description).

Type material. Holotype: ♂, TAIWAN: Nantou: Tungpu (1200 m), 20~22-VI-1980, C. C. Chen (TARI). **Paratypes:** Nantou: Tungpu (1200 m), 1 ♂, 18~21-X-1982, K. C. Chou and S. C. Lin; 1 ♀, 20~24-VI-1983, K. C. Chou and C. Y. Wong (NMNS).

***Ernestinus brevis* Lin, 2001**

Ernestinus brevis Lin, 2001a: 29-30, figs. 1A, 2A.

Holotype: ♂, TAIWAN: Taitung: Lanyu, 9-VIII-2000, W. T. Yang (NMNS). **Paratypes:** 2 ♂, 5 ♀ ♀, same data as for holotype (NMNS).

Remark: The date of holotype is corrected from 10-VIII-2000 to 9-VIII-2000.

***Ernestinus nigriscutum* Lin, 2001**

Ernestinus nigriscutum Lin, 2001a: 30-31, figs. 1B, 2B.

Holotype: ♂, TAIWAN: Tainan: Paihoshuiku, 17-IV-1992, C. Y. Li (NMNS ENT 1446-2149) (NMNS). **Paratypes:** Nantou: Tungpu, 1 ♂, 18~23-XI-1981, T. Lin and W. S. Tang; Lienhuachih (650 m), 1 ♀, VI-1984, 1 ♀, IX-1984, K. S. Lin and K. C. Chou (malaise trap) (TARI). Pingtung: Kenting, 1 ♂, 18~23-III-1981, K. S. Lin and T. Lin (TARI); 1 ♀, 27-XI~1-XII-1990, C. K. Starr (NMNS ENT 756-54) (NMNS).

Remark: The date of holotype is corrected from 17-XI-1981 to 17-IV-1992.

***Eupachypeltis immanis* Lin, 2000**

Eupachypeltis immanis Lin, 2000b: 122-123, fig. 1B.

Holotype: ♂, TAIWAN: Taitung: Lanyu, 4~9-V-

1982, K. S. Lin, K. C. Chou, S. C. Lin, and C. C. Pan (TARI).

***Mansoniella cervivirga* Lin, 2000**

Mansoniella cervivirga Lin, 2000a: 1-3, figs. 1A-C, 3A, 4A.

Holotype: ♂, TAIWAN: Taichung: Kukuan (730 m), 20~22-VI-1978, K. S. Lin and K. C. Chou (TARI). **Paratypes:** 1 ♂, same data as for holotype (NMNS). Nantou: Puli, 1 ♂, 16~19-V-1956, K. S. Lin (TARI); Tungpu, 1 ♂, 5~8-X-1981, T. Lin and W. S. Tang (TARI).

***Mansoniella formosana* Lin, 2002**

Mansoniella formosana Lin, 2002: 373-376, figs. 1A, B, D, 2A, C, E.

Holotype: ♂, TAIWAN: Nantou: Wushe, 11-IX-2002, C. S. Lin (swept from *Liquidambar formosana* Hance, Hamamelidaceae) (NMNS). **Paratypes:** 3 ♂♂, 4 ♀♀, same data as for holotype; 2 ♂♂, 16-X-2002, C. S. Lin (NMNS).

Remark: The date of holotype is corrected from 11-XI-2002 to 11-IX-2002.

***Mansoniella kungi* Lin, 2001**

Mansoniella kungi Lin, 2001b: 377-379, fig. 1A, C.

Holotype: ♀, TAIWAN: Taichung City, North District, 15-X-2001, C. S. Lin and M. H. Kung (on *Cinnamomum camphora* (L.), Lauraceae) (NMNS). **Paratypes:** 6 ♀♀, same data as for holotype (NMNS).

***Mansoniella shihfanae* Lin, 2000**

Mansoniella shihfanae Lin, 2000a: 3-5, figs. 2A, 3B, 4B.

Holotype: ♂, TAIWAN: Nantou, Tungpu (1200 m), X-1985, K. S. Lin (malaise trap) (TARI). **Paratype:** 1 ♀, Nantou, Tungpu (1200 m), 13~16-XII-1982, K. C. Chou and C. C. Pan (NMNS).

***Mansoniella wuyishana* Lin, 2002**

Mansoniella wuyishana Lin, 2002: 376-379, figs. 3A-C, 4A-D.

Holotype: ♂, CHINA: Fujian, Nanping Wuyishan, 21-VIII-2002, C. S. Lin (beaten from *Liquidambar formosana* Hance, Hamamelidaceae) (NMNS). **Paratypes:** 4 ♂♂, 6 ♀♀, same data as for holotype (NMNS).

***Mansoniella yafanae* Lin, 2000**

Mansoniella yafanae Lin 2000a: 5-6, figs. 2B, 3C, 4C.

Holotype: ♀, TAIWAN: Taipei, Peitou, 15-V-1955, K. S. Lin (TARI).

***Michailocoris triamaculosus* Lin, 2007**

Michailocoris triamaculosus Lin, 2007: 94-95, fig. 1F.

Holotype: ♂, CHINA: Guangxi, Liuzhou, Jinxiu, Dayao, Mateshan (1100 m), 24-VII-2004, C. S. Lin and W. T. Yang (sweep net) (NMNS ENT 5124-357) (NMNS). **Paratypes:** 2 ♀♀, same data as for holotype (NMNS ENT 5124-374, 5124-358) (NMNS).

(VI) Mirinae

***Acomocera grandiocula* Lin, 1998**

Acomocera grandiocula Lin, 1998: 27, figs. 1H, 2H.

Holotype: ♂, TAIWAN: Nantou: Tsuifeng (2300 m), 5-VIII-1984, K. S. Lin (malaise trap) (TARI). **Paratype:** 1 ♂, same locality as for holotype, VII-1984, K. S. Lin (malaise trap) (NMNS).

***Acomocera longiconea* Lin, 1998**

Acomocera longiconea Lin, 1998: 27-30, figs. 1I, 2I.

Holotype: ♂, TAIWAN: Chiaai: Chuchi, Fenchihu, 21~24-II-1995, C. S. Lin and M. L. Chan (UV light trap) (NMNS). **Paratypes:** 1 ♂, 1 ♀, same data as for holotype (NMNS). Nantou: Luku, Fenuangku, 1 ♀, 25~26-I-1995, W. T. Yang (UV light trap) (NMNS). Chiayi: Alishan (2400 m), 3 ♀♀, 5~9-VIII-1981, L. Y. Chou and S. C. Lin (TARI).

Remark: The date of holotype is corrected from 21~24-I-1995 to 21~24-II-1995.

***Stenodema brevinotum* Lin, 1998**

Stenodema brevinotum Lin, 1998: 22-23, figs. 1B, 2B.

Holotype: ♂, TAIWAN: Nantou: Meifeng, 23~24-IX-1997, C. S. Lin and W. T. Yang (sweep net) (NMNS). **Paratypes:** same locality as for holotype, 1 ♂, 23~24-IX-1997, C. S. Lin and W. T. Yang (NMNS). Ilan: Taipingshan, 4 ♂♂, 5-VIII-1992, W. T. Yang (NMNS). Kaohsiung: Liukuei, 1 ♀, 7-IX-1989, K. W. Huang (NMNS).

Remark: The collecting method of holotype is corrected from light trap to sweep net.

Urostylididae***Urolabida taiwanensis* Ren and Lin, 2003**

Urolabida taiwanensis Ren and Lin, 2003: 139, figs. 5D, E, 6A-E.

Holotype: ♂, TAIWAN: Nantou: Meifeng (2130 m), 27~29-V-1986, C. S. Lin (NMNS ENT 67-190) (NMNS). **Paratypes:** Kaohsiung: Tengchih, 1 ♀, 6~7-VII-2000, M. L. Chan (sweep net) (NMNS ENT 3442-672) (NMNS). 1 ♀, 21~24-XI-1995, C. S. Lin and M. L. Chan (UV light trap) (NMNS ENT 2237-730) (NMNS). Taoyuan, Hotzuhu, 1 ♀, 9-II-1991, I. S. Hsu (sweep net) (NMNS ENT 1673-954) (NMNS). Taichung: Chiapaotai (750 m), 9 ♂♂, 4 ♀♀, 9~10-XI-1989, C. S. Lin (UV light trap); 1 ♀, 6-XII-1991, Y. C. Shiao (mercury light) (NMNS ENT 1370-162) (NMNS). Yunlin: Kukung Shihpi, 1 ♀, 29-X-1992, W. T. Yang (UV light trap) (NMNS). Nantou: Wushe, 1 ♀, 30-IX-1992, C. S. Lin (UV light trap) (NMNS); Jenai, Peitung-yenshan, 1 ♀, 23~25-IX-1998, W. T. Yang (UV light trap) (NMNS ENT 2985-29) (NMNS).

***Urolabida triramalis* Ren and Lin, sp. nov.**

Urolabida triramalis Ren and Lin, 2003: 139-142, fig. 7A-E (original description).

Type material. Holotype: ♂, TAIWAN: Kaohsiung: Tengchih, 21~24-XI-1995, C. S. Lin and M. L. Chan (UV light trap) (NMNS). **Paratypes:** 4 ♂♂, same locality as for holotype, 19~21-XI-2002, W. T. Yang (mercury light) (NMNS).

***Urostylis paratrifidus* Ren and Lin, sp. nov.**

Urostylis paratrifidus Ren and Lin, 2003: 131-134, fig. 2A-E (original description).

Type material. Holotype: ♂, TAIWAN: Nantou: Tsuifeng (2300 m), 23~25-VI-1983, K. S. Lin and S. C. Lin (TARI). **Paratypes:** Nantou: Tungpu (1200 m), 1 ♂, 20~22-VI-1980, C. C. Chen (NMNS). Taichung: Chiapaotai (750 m), 2 ♂♂, 9~10-XI-1989 (UV light trap) (NMNS ENT 494-33, 494-34) (NMNS).

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1998-2007 年間林政行與同行發表異翅亞目昆蟲模式存放地之補述及學名有效性之確認

林政行 詹美鈴

國立自然科學博物館動物學組

1998-2007年間林政行與同行發表臺灣及中國異翅亞目昆蟲共42種，其中*Psallops formosanus* Lin, 2004, *Rubrocuneocoris nodus* Lin, 2006, *Felisacus bellus* Lin, 2000, *Urolabida tiramalis* Ren & Lin, 2003, 和 *Urostylis paratrifidus* Ren & Lin, 2003五種學名之發表因未明列正模存放處，不符國際動物命名規約第四版第16.4.2.條款 (ICZN, 1999) 規定而不適用。本文以原學名及命名者將上述五種發表為新種，自新的發表日期起成為有效名，並以每種之原始描述做為文獻參證，以滿足 ICZN (1999) 第13.1.2條款之規定。本文除提供 42 種模式標本存放地之資訊外，並修正原始文獻中模式資訊之錯誤。

關鍵詞：異翅亞目，盲椿科，異椿科，模式存放地，臺灣，中國。